RESULT 1 HUMDAF 2017 bp mRNA linear PRI 02-NOV-1994 Human complement decay accelerating factor (DAF) mRNA; 3' end. M15799 M15799.1 GI:181462 complement decay accelerating factor (DAF) mRNA; 3' end. HUMDAF LOCUS DEFINITION ACCESSION M15799.1 GI:181462
complement decay-accelerating factor.
Human HeLa cell cDNA to mRNA, clones DF1 and DF2.
Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi;
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo
1 (bases 1 to 2017)
Medof, M E , Lublin, D M , Holers, V M , Ayers, D J , Getty, R R ,
Leykam, J F , Atkinson, J P and Tykocinski, M L
Cloning and characterization of cDNAs encoding the complete VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE

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                                                                                                     TCTGCATCCCTCAAACAGCCTTATATCACTCAGAATTATTTTCCAGTCGGTACTGTTGTG
                                                                                                                      TCTGCATCCCTCAAACAGCCTTATATCACTCAGAATTATTTTCCAGTCGGTACTGTTGTG
                                                                                                                                                                                                                       GAAGAAAGCTTTGTGAAAATTCCTGGCGAGAAGGACTCAGTGACCTGCCTTAAGGGCATG
                                                                                                                                                                                                                                    GAAGAAAGCTTTGTGAAAATTCCTGGCGAGAAGGACTCAGTGACCTGCCTTAAGGGCATG 240
                                                                                                                                                                                                                                                                                                                                     CTGTTGTGCCTGCCGGCGTGTGGGGTGACTGTGGCCTTCCCCCAGATGTACCTAATGCC 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Draft entry and computer-readable sequence [1] kindly provided M.L.Tykocinski, 24-OCT-1988.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequence of decay-accelerating factor of human complement Proc. Natl. Acad. Sci. U.S.A. 84 (7), 2007-2011 (1987)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /Protein_ld="AAA52167.1"
//DD_xref="GDB:G00-119-088"
//db_xref="GDB:G00-119-088"
//tcanslation="rsypaal.plidgel.prilitual.cupavwgdbcglppdvpnaqpal.ggrsplation="rsypaal.plidgel.prilitual.cupavwgdbcglppdvpnaqpal.ggrsplativepegrsyvklpgekdbsvtclkgmowsdleefcnrscryptrilsa.sixopvitquxfpvgtvveycecrpg/rrepssisskitclouk.gwstavepckkkscpn.pgeirngQidpeggilfgatisscrymgykrtpcstsspclisgssvowsdplpegcrep.gcrpgvgtyacnkgftmigehsivctvnnubgebwscgpp
ECRGKSLTSKvpPTvQkpTTVNvpTTEVSPTSQKTTTKTTTNAQATRSTPVSRTTKH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note="decay-accelerating factor signal peptide" 88. 1128
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/db_xref="taxon:9606"
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| AAATGAAAAACATTATTTGGATATCAAAAGCAAATAAAAACCCAATTCAGTCTCTTCTAA 156 | GGAAAGTGATTTTTTTCCACAAGATCTGAAATGATATTTCCACTTATAAAGGAAATAAA 15 | GGAAAGTGATTTTTTCCACAAGATCTGAAATGATATTTCCACTTATAAAGGAAAT | <br>AGTGTA <i>I</i> | AAGTGTAAGAAAGCATAGAGATTTTCTTTCCTATTTAACAATTGAGAGTGATTCCTTTTCCTA 13 |      | TGTGTTAGGAATGTCAACAGAGCAAGGAGAAAAAAGGCAGTCCTGGAATCACATTCTTA 13 | CAACAGAGCAAGGAGAAAAAAAGGCAGTCCTGGAATCACATTCTTA 13 | ATATTGGATAAAATAAATCCAATTGTGCTCTTCATTTAGGATGCTTTCATTGTCTTTAAG 12 | ATATTGGATAAAATAAATGCAATTGTGCTCTTCATTTAGGATGCTTTTCATTTCATTTTCATTTTTTCATTTTTTTT |      | AGTTAAGAAGAAAATACACACAAGTATACAGACTGTTCCTAGTTTTTTAGACACTTTAGACAC |     | ACGTTGACAGGTTTGCGTTGGGACGCTAGTAACCATGGGCTTGCTT |    | AATAAAGGAAGTGGAACCACTTCAGGTACTACTTACCCCTCTTTCTT | THE PROPERTY OF THE PROPERTY | 1 CAAGCAACACGGAGTACACACTTTTTCTCCACACACACAC |      | ACTACAGAACTOTOACOAACTOTOCAAACCTACAGTAAATGTTCCA 9 |      | 1 AAATPOTOTAAAOTTOONAAAAAAAAAAAAAAAAAAAAAA | TATTGTACTGTGAATAATGAAGAAGGAAAGTGAACTGGCCCACCACCTGAATGCAGAGGA 8 | 1 TATTOTACTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTO | Telephone   Tele | 1 CCAGCACCACCACAATTGACAATGGAATAATTCAAGGGGAACGTGACCATTATGG | CCAGCACCACCACAAATTGACAATGGAATAATTCAAGGGGAACGTGACCATTATGGAT | ATTICAGGCAGCTCTGTCCAGTGGAGTGACCCCGTTGCCAGAGTGCAGAGAAATTTATTG | 01 ATTTCAGGCAGCTCTGTCCAGTGGAGTGACCCGTTGCCAGAGTGCAGAGAAAATTTATTGT 6 | I ATCTCCTTCTCATGTAACACAGGGTACAAATTATTTGGCTCGACTTCTAGTTTTTGTCT | 41 ATCTCCTTCTCATGTAACACAGGGTACAAATTATTTGGCTCGACTTCTAGTTTTTGTCTT 6 | 1 CCGGGAGAATACGAAATGGTCAGATTGATGTACCAGGTGGCATATTATTTGGTGCAACC | 1 CCGGGAGAAATACGAAATGGTCAGATTGATGTACCAGGTGGCATATTATTTGGTGCAACC | 21 CTTCAGAATTTAAAATGGTCCACAGCAGTCGAATTTTGTAAAAAGAAATCATGCCCTAAT 4 |
| • •  | 0  | 0   | 0 0                 | 0  | 0    | 0  | 0   | 60  |   | 8 8  | 2 6   | 0 0 |  | 80 |   | 20   | 0  | 0    | 0  | 0    | 0  | 0  | 0  | 80   | 20  | 20   | 60   | 60   | 00  | 00  |   |  | 80  |

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| Qy | 1561 GCAAAATTGCTAAAGAGAGATGACCACATTATAAAGTAATCTTTGGCTAAGGCATTTTCA 1620   |  |
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| Db |  |  |
|    | A COMPAN A COMPAN A CATGOTGA A CAGGGTGATTG 1680  |  |
| QУ | 1621 TCTTTCCTTCGGTTGGCAAAATATTTTAAAGGTAAAACATGCTGTGAACCAGGGTGTTG 1680 1621 TCTTTCCTTCGGTTGGCAAAATATTTTAAAGGTAAAACATGCTGGTGAACCAGGGTGTTG 1680   |  |
| Db | 1621 TCTTTCCTTCGGTTGGCAAAATATTTTAAAGGTAAAACTATTTTAAAGGTAAAACTAGA 1740  |  |
| Qy | 1681 ATGGTGATAAGGGAGGAATATAGAATGAAAGACTGAATCTTCCTTTGTTGCACAAATAGA 1740   |  |
| Db | 1681 ATGGTGATAAGGGAGGAATATAGAATGAAAGACTGAATGTTGGTTG  |  |
|    | ACTUAL AC |  |
| Qу | 1741 GTTTGGAAAAAGCCTGTGAAAGGTGTCTTCTTTGACTTAATGTCTTAATGTCTTTGACTTAATGTCTTTGACTTAATGTCTTTGACTTAAAAGTATCCAGA 1800 1741 GTTTGGAAAAAGCCTGTGAAAGGTGTCTTCTTTGACTTAAAAGTATCCAGA 1800  |  |
| Db | 1741 GTTTGGAAAAGCCTGTGAAAGGTGTCTTCTTTCTTTCTTT  |  |
| Qу | 1801 GATACTACAATATTAACATAAGAAAAGATTATATTATTTCTGAATCGAGATGTCCATA 1860   |  |
| Db | 1801 GATACTACAATATTAACATAAGAAAAGATTATATTATTATTATTATTATTATTATTA   |  |
| Qy | 1861 GTCAAATTTGTAAATCTTATTCTTTTGTAATATTTATTTA  |  |
| -  | 1861 GTCAAATTTGTAAATCTTATTCTTTTGTAATATTTATTATTATTATTATTATTGTILIIIIIIIIII   |  |
| Db | TARAN AND AND AND AND AND AND AND AND AND A  |  |
| Qу | 1921 CATTCTGATTTTACATGTAAAACAAGAAAAGIIGAAGAAGAATIIIIIIIIII   |  |
| Db | 1921 CATTCTGATTTTACATGTAAAACAAGAAAAGIIGAAGIIGAAGII   |  |
| QУ | 1981 TTTTCCTAAATAGAAATAAATGATCCCATTTTTTGGT 2017  |  |
| -1 | 1981 TTTTCCTAAATAGAATTAAATGATCCCATTTTTTGGT 2017  |  |

## ALIGNMENTS

RESULT 1
HUMDAFA
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
ORGANISM
ORGANISM
REFERENCE
AUTHORS
BELVARD AUTHORS
AUTHORS
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FEATURES

source

gene CDS

'codon\_start=1

mRNA

/cel1

COMMENT JOURNAL MEDLINE PUBMED

TITLE

2220; 0,

Gaps

0

60 60

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The gene for decay accelerating factor produces two proteins by alternative splicing. The spliced out region is from position 1147-1265. The stop codon in this case is located at position 1327-1329. Though mRNAS do not have introns, the alternative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nature 325 (6104), 545-549 (1987)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cloning of decay-accelerating factor suggests novel use of splicing
                                                                                                                  /note="G00-119-088; putative"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   region is indicated in the features
                                                                   note="G00-119-088; putative
                                                                                                                                                                                                                    note="G00-119-088;
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/note="G00-119-088"
                                                                                                                                                                                                                                                                                                                                                               'note="G00-119-088"
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/note="G00-119-088"
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GGPPECRGKSLTSKVPPTVQKPTTVNVPTTEVSPTSQKTTTKTTTPPAQATRSTPVS
RTTKHEHETTPNKGSGTTSGTTRLLSGHTCFTLTGLLGTLVTMGLLT"
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/protein_id="AAA52168.1"
/db_xref="GI:181465"
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/gene="DAF"
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/gene="DAF"
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/db_xref="taxon:9606"
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                                                                                                           841 TGATTGGAGAGCACTCTATTTATTGTACTGTGAATAATGATGAAGGAGAGTGGAGTGGCC 900
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                                 CACCACCTGAATGCAGAGGAAAATCTCTAACTTCCAAGGTCCCACCAACAGTTCAGAAAC
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                                                 CACCACCTGAATGCAGAGGAAAATCTCTAACTTCCAAGGTCCCACCAACAGTTCAGAAAC
                                                                                              TGATTGGAGAGCACTCTATTTATTGTACTGTGAATAATGATGAAGGAGAGTGGAGTGGCC
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                                                                                                                                                                                                                                                                                                                    CGACTTCTAGTTTTTGTCTTATTTCAGGCAGCTCTGTCCAGTGGAGTGACCCGTTGCCAG
                                                                                                                                                                                                                                                                                                                                                                    GCATATTATTTGGTGCAACCATCTCCTTCTCATGTAACACAGGGTACAAATTATTTGGCT
                                                                                                                                                                                                                                                                                                                                                 GCATATTATTTGGTGCAACCATCTCCTTCTCATGTAACACAGGGTACAAATTATTTGGCT
                                                                                                                                                                                                                                                                                                                                                                                                             AAAAGAAATCATGCCCTAATCCGGGAGAAATACGAAATGGTCAGATTGATGTACCAGGTG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGGTGCCAACAAGGCTAAATTCTGCATCCCTCAAACAGCCTTATATCACTCAGAATTATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AGGTGCCAACAAGGCTAAATTCTGCATCCCTCAAACAGCCTTATATCACTCAGAATTATT
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660

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480 480 420 420

360 360

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240 240 180 180 120

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